



U.S. Department
Of Transportation

**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION**: LTPP Directive IMS-119
IMS Software Release Version 2004.08

Date: September 9, 2004

From: Eric Weaver 
Long Term Pavement Performance Team

Reply to
Attn of: HRDI-13

To: Dr. Frank Meyer, PM - LTPP North Atlantic Regional Contract
Dr. Frank Meyer, PM - LTPP North Central Regional Contract
Mr. Mark Gardner, PM - LTPP Southern Regional Contract
Mr. Kevin Senn, PM - LTPP Western Regional Contract

Attached is the Long Term Pavement Performance (LTPP) Program Directive IMS-119: IMS Software Release Version 2004.08. This directive authorizes implementation of the IMS software upgrade from version 2004.06 to 2004.08. Upgrade instructions are provided in attachment 1. Please notify the FHWA and TSSC when the upgrade has been installed. Please ensure that all personnel involved with the IMS are aware of this new directive.

Should you have any questions or would like to discuss this directive, please do not hesitate to contact me at 202-493-3153.

Attachments (2)

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program

Program Area: IMS

Directive Number: I-119

Date: September 9, 2004

Supersedes: I-116

Subject: IMS Software Release Version 2004.08

This directive authorizes implementation of the IMS software upgrade from version 2004.06 to 2004.08. Upgrade instructions are provided in attachment 1. Please notify the FHWA and TSSC when the upgrade has been installed.

Software change notice 89, contained in the attached file, SCN_89.pdf, lists all of the changes made to the IMS software since the last software release. This notice shall be filed in the Operator's Log. This release includes an update of all computed parameter tables, CLM and COMMENTS_GENERAL tables for each region and the UNBOUND_SPEC_GRAV table for regions 1 and 3. It also includes fixes for the transverse and longitudinal profile filters. Other notable updates include typo corrections for the admin tables (CODES, LTPPDD, LTPPTD), a corrected IMS Traffic QC program, a traffic Sheet 5 input form, and a corrected cross slope filter.

After running the scripts, the QC programs on the traffic tables will need to be run and failures investigated since one of the scripts will reset the RECORD_STATUS to A in the tables affected by the changes to the QC programs.

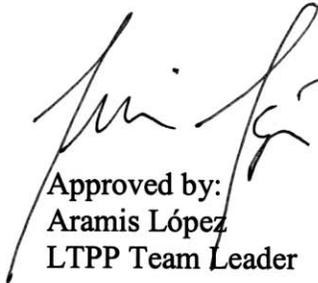
The RSC's should now enter general section comments via the COMMENTS_GENERAL form in the RIMS application. This form (99) is accessible from most data entry menus. The COMMENTS_REVIEW table should continue to be updated with a script generated from the BROWSER application.

Version 2004.08 of the IMS software will be delivered from the TSSC via CD to each region. The following files are included:

- VR2004_08.ZIP – A zip file with the batch file (VR2004_06.BAT) and scripts needed to make miscellaneous updates to the database and to run other related administrative commands. Refer to the table included in attachment 1 for an alphabetic list and descriptions of the scripts called by this batch file.

- LTPP.ZIP - A zip file with all files to go in the LTPP area (and subdirectories) on the server.
- OracleVersions.ZIP – A zip file with listings of all Oracle files and versions loaded on the server at the central site. These are included for reference only.

Prepared by: TSSC



Approved by:
Aramis López
LTPP Team Leader

Attachment 1

Instructions to Apply VR 2004.08 Release

1. Shutdown ORACLE in normal mode and backup Server.
2. Bring ORACLE up.
3. Create the subdirectory RELEASES\VR2004_08 (the directory RELEASES should already exist).
4. Copy the VR2004_08.zip file from the CD to the RELEASES\VR2004_08 subdirectory created in step 4. Unzip the file using the “Extract to Here” option.
5. From a DOS prompt in the RELEASES\VR2004_08 directory, type

```
VR2004_08. dbusername/dbapassword@instance CD_DriveLetter Region# IMSProd
```

to begin the software update. **Note: Do not include the colon after the CD_DriveLetter.** This batch file will export several tables being truncated and reloaded. If the exports are successful, the batch file will run the scripts listed in table 1, below. The batch file will then import the computed parameter tables, the CLM tables, the COMMENTS_GENERAL table, and the UNBOUND_SPEC_GRAV table (regions 1 and 3).

6. The scripts make some table changes. Check that the scripts completed successfully by reviewing the *.lis files (refer to list, below). Ignore errors about dropping non-existent objects. Also check the export and import logs (*.LOG) that will be created in the release subdirectory. NOTE: Several .dmp files will be created in this subdirectory also.
7. Copy the LTPP.ZIP file into the LTPP subdirectory. Right-click on the filename and choose “Extract to Here” to unzip the file into the LTPP subdirectory. Answer “Yes to all” to overwrite existing files. Delete the LTPP.ZIP file.
8. The OracleVersions.zip file is included for reference only. Extract these files into the OracleVersions directory. It will create an OracleVersions\VR200408 subdirectory.

Table 1. Scripts run from the VR2004_08.bat file .

Script filename	Description	Output file
DeletePadias42RecordsFromPadias	Deletes records from the MON_DIS_PADIAS_* tables that also exist in the MON_DIS_PADIAS42_* tables.	DeletePadias42RecordsFromPadias.lis
ResetToLevelA	Resets RECORD_STATUS = 'A' for the traffic tables updated by the TRF_QC.exe program.	ResetToLevelA.lis
SPR3176UpdateCodes	Deletes obsolete codes, fixes typos, and adds missing codes.	SPR3176UpdateCodes.lis

Script filename	Description	Output file
SPR3237SHRPDataSheets	Adds traffic Sheet 5 to SHRP_DATA_SHEETS.	SPR3237SHRPDataSheets.lis
SPR3456AddCode	Adds new county code for Alberta (#14).	SPR3456AddCode.lis
SPR3482CreateCommentsGeneralTable	Recreates COMMENTS_GENERAL table with new structure.	SPR3482CreateCommentsGeneralTable.lis
SPR3483ClmTableReorganization	Recreates the CLM tables using an IOT (Indexed Organized Table) structure.	SPR3483ClmTableReorganization.lis
SPR3488Codes	Updates MAINT_WORK codetype, CODES 55, 56	SPR3488Codes.lis
SPR3493UpdateLTPPDD	Updates LTPPDD to include TRF_MONITOR_AXLE_DISTRIB.WEIGHT_BIN_SIZE.	SPR3493UpdateLTPPDD.lis
SPR3502RemovePrivs	Removes DELETE, INSERT, UPDATE from the POWER_USER role on tables that most users should not update.	SPR3502RemovePrivs.lis
SPR3506VehicleClassCodes	Swaps code descriptions for VEHICLE_CLASS codes 1 and 2.	SPR3506VehicleClassCodes.lis
SPR3509FixSpelling	Corrects spelling errors in CODES, LTPPDD, LTPPTD tables.	SPR3509FixSpelling.lis
TruncateImportedTables	Truncates the computed parameter tables and the UNBOUND_SPEC_GRAV table before importing redistributed data.	TruncateImportedTables.lis